

Location Properties

Technician:

Address:

City:

County:

Cross Street 1:

Remedy:

Comments:

Map Number:

Pole Tags:

State:

Zip Code:

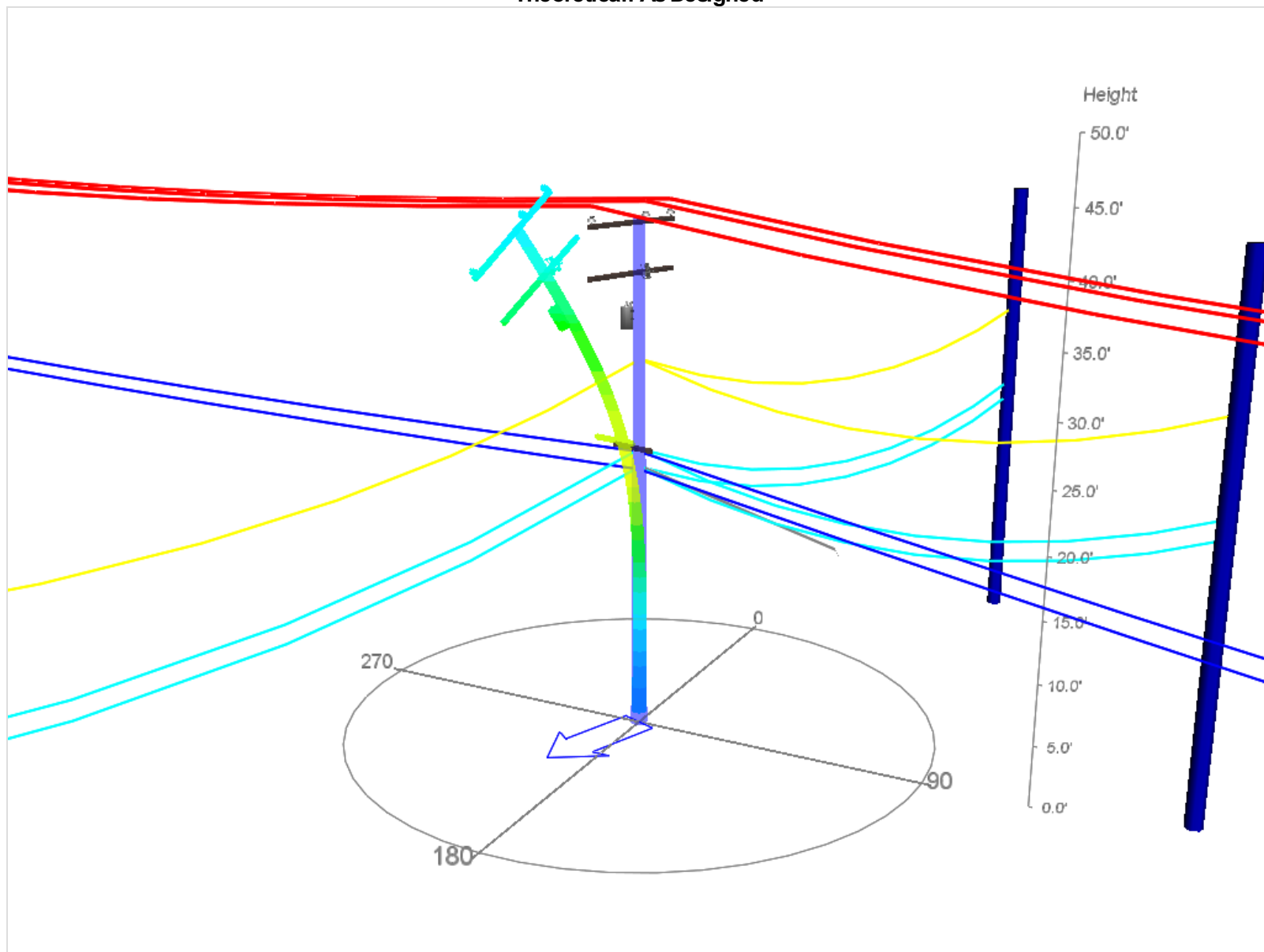
Cross Street 2:

Summary Notes:

Location Analysis Summary

Layer	Pole Length/Class	Minimum Safety Factor						Pole Strength Remaining	Loading Adjusted by Strength?	Clearance Violations Present?
		Pole	Guy	Anchor	Cross Arm	Insulator	Sidewalk Brace			
As Designed	50'/H3	4.15 from stress at 24' 0"	2.05 (Guy#1)	No Data	No Data	No Data	No Data	100%	Y	N

Theoretical: As Designed



Analysis Results

Loading

Component	New, 18 lb, Grade A (Governing Case)			Client File Maximum Rating
	Safety Factor	Load (Applied / Allowable)	Wind Direction	
Pole	4.15 from stress at 24' 0"	1833 / 7600 lb/in ²	200 °	7600 lb/in ²
Guy#1	2.05	5475 / 11200 lbf	190 °	11200 lbf

Wire End Points and Wires

WEP#2											
Type	Environment	Distance	Direction	GPS Point	Inclination	Measured Between	Measured to Ground				
Next Pole	None	137'	276 °	Undefined.	0 °	N/A	N/A				
ID	Size	Owner	Group	Tension Group	Height	Midspan	TAF	Initial Tension	Tension Method	New, 18 lb, Grade A	
										Tension	Sag
Wire#6	1/0 ACSR Tree Wire XLPE	SCE	Primary	Light Full	44' 1"	0' 0"	0.38	359.86 lbf*	Dynamic	939.97 lbf**	2' 8****
Wire#7	1/0 ACSR Tree Wire XLPE	SCE	Primary	Light Full	44' 1"	0' 0"	0.38	359.86 lbf*	Dynamic	926.63 lbf**	2' 8****
Wire#8	1/0 ACSR Tree Wire XLPE	SCE	Primary	Light Full	44' 1"	0' 0"	0.38	359.86 lbf*	Dynamic	908.22 lbf**	2' 9****
Wire#9	.5" CATV 1/4" Messenger	Time Warner Cable	Communication	Light Full	24' 0"	0' 0"	1	708 lbf*	Dynamic	1146.44 lbf**	1' 7****
Wire#10	.5" TELCO 5/16" Messenger	Verizon California	Communication	Light Full	22' 6"	0' 0"	1	1213 lbf*	Dynamic	1741.69 lbf**	1' 1****

WEP#1											
Type	Environment	Distance	Direction	GPS Point	Inclination	Measured Between	Measured to Ground				
Previous Pole	None	178'	113 °	Undefined.	0 °	N/A	N/A				
ID	Size	Owner	Group	Tension Group	Height	Midspan	TAF	Initial Tension	Tension Method	New, 18 lb, Grade A	
										Tension	Sag
Wire#1	1/0 ACSR Tree Wire XLPE	SCE	Primary	Light Full	44' 1"	0' 0"	0.31	283.65 lbf*	Dynamic	831.8 lbf**	5' 4****
Wire#2	1/0 ACSR Tree Wire XLPE	SCE	Primary	Light Full	44' 1"	0' 0"	0.31	283.65 lbf*	Dynamic	835.56 lbf**	5' 4****
Wire#3	1/0 ACSR Tree Wire XLPE	SCE	Primary	Light Full	44' 1"	0' 0"	0.31	283.65 lbf*	Dynamic	840.6 lbf**	5' 4****
Wire#4	.5" CATV 1/4" Messenger	Time Warner Cable	Communication	Light Full	24' 0"	0' 0"	1	708 lbf*	Dynamic	1039.65 lbf**	3' 0****
Wire#5	.5" TELCO 5/16" Messenger	Verizon California	Communication	Light Full	22' 6"	0' 0"	1	1214 lbf*	Dynamic	1435.37 lbf**	2' 4****

WEP#3											
Type	Environment	Distance	Direction	GPS Point	Inclination	Measured Between	Measured to Ground				
Building	None	48'	24 °	Undefined.	0 °	N/A	N/A				
ID	Size	Owner	Group	Tension Group	Height	Midspan	TAF	Initial Tension	Tension Method	New, 18 lb, Grade A	
										Tension	Sag
Wire#13	1/0 Al. Triplex Service	SCE	Utility Service	Service	31' 6"	0' 0"	1	28 lbf*	Dynamic	28.1 lbf**	4' 5****
Wire#15	.25" CATV Service	Time Warner Cable	Communication Service	Service	24' 0"	0' 0"	1	4 lbf*	Dynamic	4.01 lbf**	4' 10****
Wire#19	.25" TELCO Service	Verizon California	Communication Service	Service	22' 6"	0' 0"	1	4 lbf*	Dynamic	4.01 lbf**	4' 10****
Wire#23	.25" TELCO Service	Verizon California	Communication Service	Service	22' 6"	0' 0"	1	4 lbf*	Dynamic	4.01 lbf**	4' 10****

WEP#4											
Type	Environment	Distance	Direction	GPS Point	Inclination	Measured Between	Measured to Ground				
Building	None	45'	87 °	Undefined.	0 °	N/A	N/A				
ID	Size	Owner	Group	Tension Group	Height	Midspan	TAF	Initial Tension	Tension Method	New, 18 lb, Grade A	
										Tension	Sag
Wire#12	4 Al. Triplex Service	SCE	Utility Service	Service	31' 6"	0' 0"	1	11 lbf*	Dynamic	52.09 lbf**	4' 1****
Wire#16	.25" CATV Service	Time Warner Cable	Communication Service	Service	24' 0"	0' 0"	1	4 lbf*	Dynamic	19.63 lbf**	4' 3****
Wire#17	.25" CATV Service	Time Warner Cable	Communication Service	Service	24' 0"	0' 0"	1	4 lbf*	Dynamic	19.63 lbf**	4' 3****
Wire#18	.25" TELCO Service	Verizon California	Communication Service	Service	22' 6"	0' 0"	1	4 lbf*	Dynamic	19.63 lbf**	4' 3****
Wire#21	.25" TELCO Service	Verizon California	Communication Service	Service	22' 6"	0' 0"	1	4 lbf*	Dynamic	19.63 lbf**	4' 3****

WEP#5

Type	Environment	Distance	Direction	GPS Point	Inclination	Measured Between	Measured to Ground					
Building	None	83'	191 °	Undefined.	0 °	N/A	N/A					
	ID	Size	Owner	Group	Tension Group	Height	Midspan	TAF	Initial Tension	Tension Method	New, 18 lb, Grade A	
											Tension	Sag
	Wire#11	4 Al. Triplex Service	SCE	Utility Service	Service	31' 6"	0' 0"	1	32 lbf*	Dynamic	32.56 lbf**	4' 9"***

WEP#6

Type	Environment	Distance	Direction	GPS Point	Inclination	Measured Between	Measured to Ground					
Building	None	121'	208 °	Undefined.	0 °	N/A	N/A					
	ID	Size	Owner	Group	Tension Group	Height	Midspan	TAF	Initial Tension	Tension Method	New, 18 lb, Grade A	
											Tension	Sag
	Wire#14	.25" CATV Service	Time Warner Cable	Communication Service	Service	24' 0"	0' 0"	1	11 lbf*	Dynamic	11.1 lbf**	11' 1"***
	Wire#20	.25" TELCO Service	Verizon California	Communication Service	Service	22' 6"	0' 0"	1	11 lbf*	Dynamic	11.1 lbf**	11' 1"***
	Wire#22	.25" TELCO Service	Verizon California	Communication Service	Service	22' 6"	0' 0"	1	11 lbf*	Dynamic	11.1 lbf**	11' 1"***

* Tension value used in an analysis may vary dependent on 'Average Length on Main Span' setting in the Load Case.

** Tension value is inclusive of environmental and load factors associated with the Load Case.

*** Sag value is inclusive of environmental and load factors associated with the Load Case.

Equipment

ID	Size	Owner	Type	Height	Bottom Height	Direction
Equip#1	Fuse Arm with 2 Cutouts	SCE	Cutout Arrestor	38' 6"	38' 6"	14 °
Equip#2	25 kVA Transformer	SCE	Transformer	35' 6"	35' 6"	284 °

Anchors

Anchor#1

Size		Owner	Lead	Direction	Height	Supporting	
1" Triple Eye - Anchor Rod and Plate		SCE	21' 0"	31 °	12' 0"	Other	

ID	Size	Owner	Height	Angle	Brace ID	Brace Size	Brace Length	Brace Direction	New, 18 lb, Grade A	
									Pretension	Tension
Guy#1	5/16" EHS	Verizon California	22' 6"	63 °	N/A	N/A	N/A	N/A	1301.48 lbf*	-2.99 lbf**

* Pretension values are calculated at 60°F (15.5°C) and without load factors.

** Tension value is calculated without load factors or wind.

Cross Arms

ID	Size	Height	Association	Direction	Offset	Insulators
CrossArm#1	10 Foot Cross Arm	42' 6"	Other	14 °	5' 0"	Insulator#1, Insulator#2, Insulator#3
CrossArm#2	4 Foot Cross Arm	24' 6"	Other	284 °	2' 0"	
CrossArm#3	10 Foot Cross Arm	38' 6"	Other	14 °	5' 0"	

Insulators

ID	Size	Direction	Offset	Wires
Insulator#1	16 kV Post (Cross Arm)	113 °	9' 8"	Wire#1, Wire#6
Insulator#2	16 kV Post (Cross Arm)	113 °	3' 4"	Wire#2, Wire#7
Insulator#3	16 kV Post (Cross Arm)	113 °	0' 4"	Wire#3, Wire#8

Location 1429411E Location Forms

SAP

- Field Inspection Date: 04/17/2020
- High Fire: Extreme
- Special Project: No
- Associated Poles:
- Visible Damage: No
- Pole Type: ED
- District: 27- Monrovia
- Region: ED-SE-METROEAS
- Above 3000 Ft Elevation: No
- As Designed Work Type: New
- Access Notes:

Pole Info Form

- Pole Equipment #:
- Previous Inspection Date:
- Year Installed:
- As Is POA Height:
- As Is POA Diameter:
- As Designed POA Height:
- As Designed POA Diameter:
- Thomas Guide/Quadrant:
- Circuit :
- Substation:
- FIM:
- Location:
- City:
- Brand Height:
- Date Pole Load Performed:
- Comments:
- GPS Location: N/A

QC Comments

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